

Datasheet: 8250-0004

BATCH NUMBER 159117

Description:	RABBIT ANTI SEROTONIN
Specificity:	SEROTONIN
Other names:	5-HT, 5-HYDROXYTRYPTAMINE
Format:	Serum
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
Immunofluorescence	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Broad
Product Form	Serum - liquid
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Synthetic Serotonin, conjugated to bovine Thyroglobulin.
RRID	AB_2233447

Specificity

Rabbit anti Serotonin antibody recognizes serotonin and stains serotonin containing cells in human ileum and also stains primary and metastatic carcinoid tumours containing serotonin.

Serotonin (also known as 5-hydroxytryptamine or 5-HT) is a biochemical messenger and neurotransmitter synthesized from L-tryptophan. Serotonin has a range of functions, including regulation of gastric motility, and may be related to some psychiatric disorders including schizophrenia and depression.

**Histology Positive
Control Tissue**

Human ileum

References

1. Watts, S.W. *et al.* (2009) Serotonylation of vascular proteins important to contraction. [PLoS One. 4:e5682.](#)
 2. Abdala-Valencia, H. *et al.* (2012) Inhibition of allergic inflammation by supplementation with 5-hydroxytryptophan. [Am J Physiol Lung Cell Mol Physiol. 303: L642-60.](#)
 3. Soveg, F. *et al.* (2015) Regulation of allergic lung inflammation by endothelial cell transglutaminase 2. [Am J Physiol Lung Cell Mol Physiol. 309 \(6\): L573-83.](#)
 4. Kuzay, D. *et al.* (2022) Effects of thymoquinone in a rat model of reserpine-induced depression [Brazilian Journal of Pharmaceutical Sciences. 58 e19847.](#)
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Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10081 available at:
<https://www.bio-rad-antibodies.com/SDS/8250-0004>
10081

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

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